In re Patent Application of: MACCHETTI ET AL.
Serial No. 09/974,705
Filed: October 10, 2001

obtain compatibility with the standard being that the state must be re-transposed before being outputs. --

In the Abstract:

Please amend the heading beginning at line 1 of page 15 with the following:

--Abstract of the Disclosure--

Please replace the paragraph beginning at line 2 of page 15 with the following rewritten paragraph:

--Data are converted between an unencrypted and an encrypted format according to the Rijndael algorithm, including a plurality of rounds. Each round is comprised of a fixed set of transformations applied to a two-dimensional array, designating states, of rows and columns of bit words. At least a part of the transformations are applied on a transposed version of the state, wherein rows and columns are transposed for the columns and rows, respectively.--

In the Claims:

Please cancel Claims 1 to 20.

Please add new Claims 21 to 47.